

# INTERNATIONAL SEARCH REPORT

Inten Application No  
PCT/EP2004/010375

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B01J19/18 C08F2/01

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B01J C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 482 148 A (MONTEDISON SPA) 3 August 1977 (1977-08-03) page 1, line 36 - line 56 page 1, line 84 - page 2, line 7 page 2, line 8 - line 30; figure 1	1-10
A	WO 97/04015 A (MONTELL TECHNOLOGY COMPANY BV) 6 February 1997 (1997-02-06)	1-8
X	abstract page 11, line 1 - line 8 page 11 - page 13; figure 1 page 14, paragraph 4 - page 15, paragraph 1	9,10
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

2 December 2004

Date of mailing of the international search report

13/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Thomasson, P

## INTERNATIONAL SEARCH REPORT

Intern

Application No

PCT/EP2004/010375

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 239 235 B1 (FRANKLIN III ROBERT K ET AL) 29 May 2001 (2001-05-29) cited in the application abstract column 1, line 40 - line 53 column 2, line 60 - column 3, line 33 -----	1-10
P,X	WO 2004/026463 A (ATOFINA RES ; FOUARGE LOUIS (BE); LEWALLE ANDRE (BE)) 1 April 2004 (2004-04-01) abstract page 3, line 4 - line 30; figure 1 page 4, line 9 - line 11 claim 15 -----	1-10
A	DE 905 547 C (BATAAFSCHE PETROLEUM) 4 March 1954 (1954-03-04)	1-8
X	page 1, line 1 - line 25 page 2, line 90 - line 100; figure 4 page 3, line 10 - line 32 -----	9,10

## INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat

Application No

PCT/EP2004/010375

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 1482148	A	03-08-1977	IT 995929 B	20-11-1975
			BE 821118 A1	16-04-1975
			DE 2449150 A1	24-04-1975
			FR 2248288 A1	16-05-1975
			JP 1370948 C	25-03-1987
			JP 50067887 A	06-06-1975
			JP 61032321 B	26-07-1986
			NL 181435 B	
			NL 7413474 A ,C	21-04-1975
			US 3983096 A	28-09-1976
WO 9704015	A	06-02-1997	IT MI951562 A1	20-01-1997
			AT 176914 T	15-03-1999
			AU 719107 B2	04-05-2000
			AU 6734896 A	18-02-1997
			BG 62814 B1	31-08-2000
			BG 101414 A	28-11-1997
			BR 9606569 A	21-10-1997
			CA 2200428 A1	06-02-1997
			CN 1165525 A ,B	19-11-1997
			CN 1229801 A	29-09-1999
			CZ 9701202 A3	15-10-1997
			DE 69601569 D1	01-04-1999
			DE 69601569 T2	26-08-1999
			DK 782587 T3	27-09-1999
			EG 21069 A	31-10-2000
			WO 9704015 A1	06-02-1997
			EP 0782587 A1	09-07-1997
			ES 2130842 T3	01-07-1999
			GR 3029770 T3	30-06-1999
			HU 9702440 A2	29-06-1998
			IL 120482 A	19-03-2001
			JP 10506432 T	23-06-1998
			NO 971282 A	20-05-1997
			NZ 315601 A	28-10-1998
			PL 319349 A1	04-08-1997
			RO 118876 B1	30-12-2003
			RU 2167164 C2	20-05-2001
			TR 9700212 T1	21-08-1997
			TW 460482 B	21-10-2001
			US 2002061264 A1	23-05-2002
			US 5698642 A	16-12-1997
			US 6413477 B1	02-07-2002
			ZA 9606125 A	10-02-1997
US 6239235	B1	29-05-2001	AT 276282 T	15-10-2004
			BR 9802445 A	15-06-1999
			CA 2243250 A1	15-01-1999
			CN 1208046 A	17-02-1999
			DE 69826190 D1	21-10-2004
			DK 891990 T3	15-11-2004
			EP 0891990 A2	20-01-1999
			HU 9801569 A2	28-05-1999
			JP 11080210 A	26-03-1999
			NO 983277 A	18-01-1999
			RU 2221812 C2	20-01-2004
			SG 72838 A1	23-05-2000
			TR 9801363 A2	22-02-1999

BEST AVAILABLE COPY

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern:

Application No

PCT/EP2004/010375

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6239235	B1	TW 515808 B	01-01-2003
		US 2002187081 A1	12-12-2002
		US 2003023010 A1	30-01-2003
		US 2003023009 A1	30-01-2003
		US 2003023011 A1	30-01-2003
		US 2003027944 A1	06-02-2003
		US 2003012705 A1	16-01-2003
		US 2003050409 A1	13-03-2003
		US 2003229187 A1	11-12-2003
		US 2003092856 A1	15-05-2003
		US 2004122187 A1	24-06-2004
		US 2004136881 A1	15-07-2004
		US 2004192860 A1	30-09-2004
		ZA 9806097 A	28-01-1999
WO 2004026463	A	EP 1410843 A1	21-04-2004
		WO 2004026463 A1	01-04-2004
DE 905547	C	04-03-1954	NONE

BEST AVAILABLE COPY